

AMENDMENTS TO THE SPECIFICATION

Please insert the following subtitles prior to the paragraph beginning line 3 on page 1, as follows:

--BACKGROUND OF THE INVENTION--

--TECHNICAL FIELD OF THE INVENTION--

Please insert the following subtitle prior to the paragraph beginning line 5 on page 1, as follows:

--PRIOR ART--

Please insert the following subtitle prior to the paragraph beginning line 4 on page 3, as follows:

--OBJECT AND SUMMARY OF THE INVENTION--

Please replace the paragraph beginning line 8 on page 3, with the following amended paragraph:

--The objects of the invention are attained by a balancing machine having the characteristics defined in the ~~claims~~ described as follows.--

Please insert the following subtitle prior to the paragraph beginning line 23 on page 4, as follows:

--BRIEF DESCRIPTION OF THE DRAWINGS--

Please insert the following subtitle prior to the paragraph beginning line 8 on page 5, as follows:

--DETAILED DESCRIPTION OF THE PREFERRED
EMBODIMENT(S) OF THE INVENTION--

Please replace the paragraph beginning line 8 on page 5, with the following amended paragraph:

--The figures show a robust bed 1 comprising a central block 2 which supports the tubular balancing frame 3 via elastic supports 4 and 5 connected to the C-shaped structure 21.--

Please add the following new paragraph after the paragraph ending on page 5, line 10:

--A motor 9 is rigidly supported by the tubular balancing frame 3 which is connected to the motor 9 by a bracket 31.--

Please replace the paragraph beginning line 17 on page 5, with the following amended paragraph:

--One end of the shaft 8 comprises self-centering means 80 for locking the wheel 11 to be balanced onto the shaft and force transducers 33.--

Please replace the paragraph beginning line 25 on page 5, bridging page 6, with the following amended paragraph:

--The arrangement and the form of said supports is such that, under the action of the forces transmitted by the drive means, they assume a symmetrical deformed configuration passing through the axis of the shaft 8 which does not influence the further ~~tendential~~ deformations induced by the imbalance forces.--

Please replace the paragraph beginning line 4 on page 6, with the following amended paragraph:

--The imbalance forces proportional to the ~~tendential~~ deformations of the supports 4 and 5 are measured by a pair of force transducers 33 which, by virtue of the structure and position of the supports 4 and 5, can be ~~positioned~~ spaced apart at a very small distance apart minimum distance feasible, so as to measure very high forces.--

Please replace the paragraph beginning line 9 on page 6, with the following amended paragraph:

--Essentially, said force transducers measure forces proportional to the ~~tendential~~ deformation of the elastic means within the plane containing the axis of the moving assembly and the axis of the drive pulley, they being more sensitive the closer they are together and the greater the ~~tendential~~ deformation of the elastic means.--